## CLAIMS

1.    In a distributed network having a number of server computers and associated client devices, method of creating an anti-computer virus agent, comprising:

parsing a selected computer virus into a detection module that identifies a selected one of the client devices as a target client device, an infection module that causes the virus to infect those target client devices not infected by the selected virus, and a viral code payload module that infects the targeted client device

modifying the infection module to infect those computers already infected by the selected virus; and

incorporating innoculation viral code in the  payload module that acts to prevent further infection by the selected virus.


2.    A method as recited in claim 1, further comprising:

incorporating repair viral code in the payload module that acts to repair any damage in the infected client device caused by the selected virus.


3.    A method as recited in claim 2, comprising:

forming an anti-viral agent by combining the detection module, the modified infection module and the modified viral payload module.


4.    In a distributed network having a number of server computers and associated client devices, computer program product for creating an anti-computer virus agent, comprising:

computer code for parsing a selected computer virus into a detection module that identifies a selected one of the client devices as a target client device, an infection module that causes the virus to infect those target client devices not infected by the selected virus, and a viral code payload module that infects the targeted client device

computer code for modifying the infection module to infect those computers already infected by the selected virus;

computer code for incorporating innoculation viral code in the payload module that acts to prevent further infection by the selected virus; and

computer readable medium for storing the code.

5.     Computer program product as recited in claim 4, further comprising:

computer code for incorporating repair viral code in the payload module that acts to repair any damage in the infected client device caused by the selected virus.

6.     Computer program product as recited in claim 5, comprising:

forming an anti-viral agent by combining the detection module, the modified infection module and the modified viral payload module.     computer code for incorporating innoculation viral code in the payload module that acts to prevent further infection by the selected virus.